Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112018\
Data File : VL032805.D
Acq On : 21 Nov 2018 8:31
Operator : SY/AP
Sample : J5998-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP-104

Manual Integrations APPROVED
MMDadoda
11/26/2018 9:19:10 AM

Quant Time: Nov 22 12:48:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 1
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1384737	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3680538	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3388906	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2674986	10.55	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	98928	0.497	ppbv		91
3) Chlorodifluoromethane	3.02	51	34692m	0.316	ppbv		
4) Chloromethane	3.18	50	31061	0.510	ppbv		88
9) Propene	3.05	41	96032m	2.186	ppbv		
11) Trichlorofluoromethane	4.01	101	46713m	0.249	ppbv		
13) Ethanol	3.67	45	2092686	145.428	ppbv		99
15) Acetone	3.91	43	1274662	10.080	ppbv		92
19) Isopropyl Alcohol	4.05	45	187170	2.222	ppbv	#	1
20) Methylene Chloride	4.42	84	303970	4.643	ppbv		92
26) Hexane	5.79	57	217573	1.658	ppbv	#	66
30) Cyclohexane	7.26	84	15833m	0.138	ppbv		
34) 2-Butanone	5.34	43	143003	0.749	ppbv		100
35) Carbon Tetrachloride	7.14	117	20500m	0.069	ppbv		
36) Benzene	7.01	78	108239	0.369	ppbv	#	94
44) 2,2,4-Trimethylpentane	8.00	57	52632	0.107	ppbv	#	64
52) Tetrachloroethene	11.38	164	4553m	0.045	ppbv		
53) Toluene	9.95	91	882717	2.887	ppbv		99
58) Ethyl Benzene	12.87	91	48704	0.119	ppbv		92
59) m/p-Xylene	13.13	91	146598m	0.404	ppbv		
60) o-Xylene	13.87	91	57787m	0.158	ppbv		
61) Styrene	13.69	104	22606m	0.095	ppbv		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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Misc : 400ml/MSVOA_L
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EP-104

Manual Integrations APPROVED
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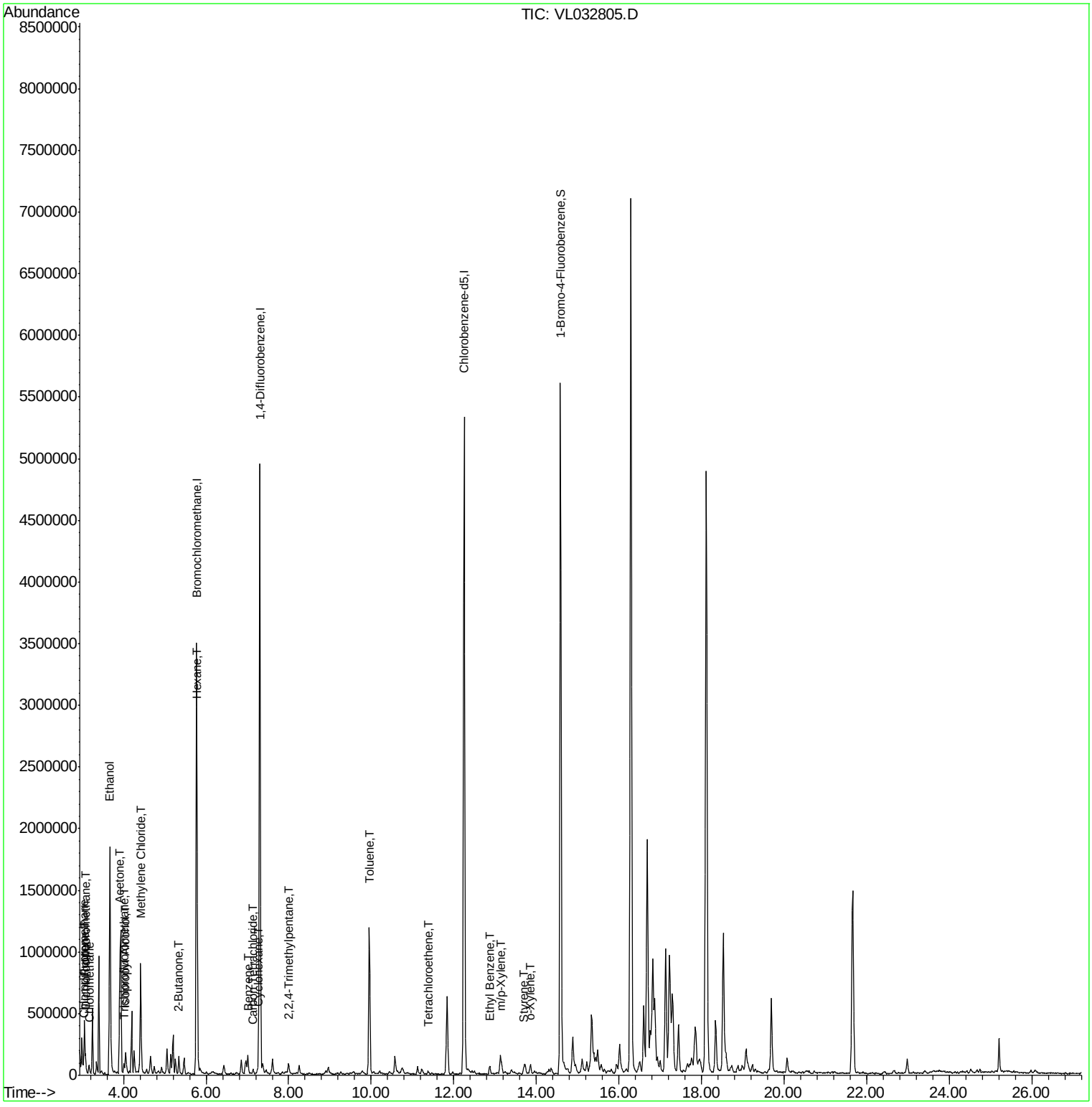
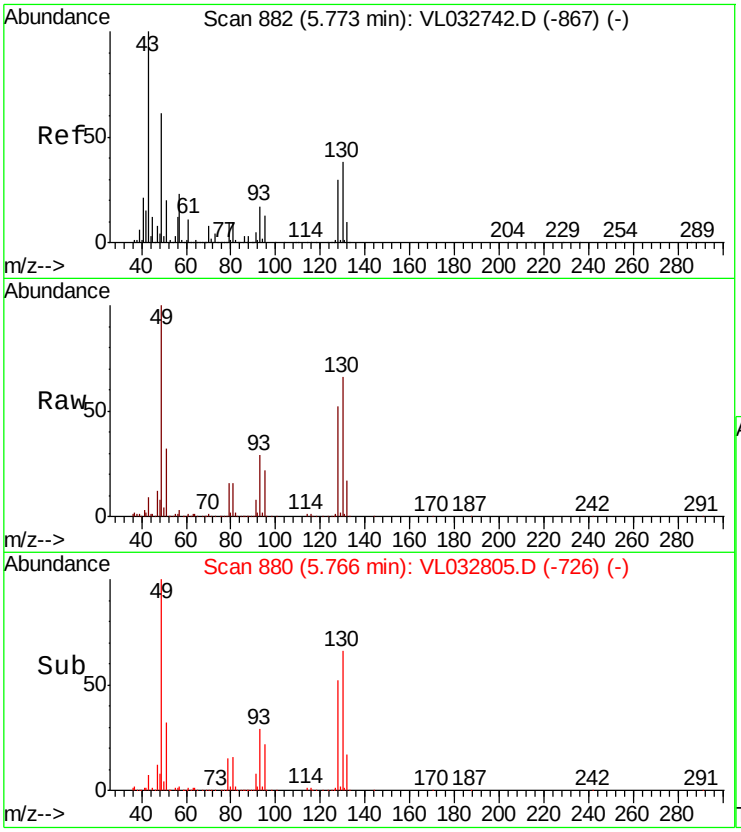
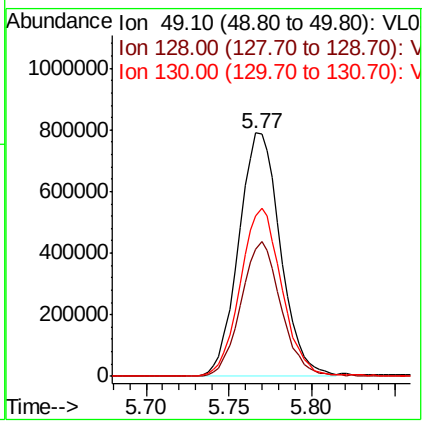




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 49 Resp: 1384737

Ion	Ratio	Lower	Upper
49	100		
128	53.2	24.9	74.6
130	69.3	31.4	94.2



Instrument :
MSVOA_L
ClientSampleId :
EP-104

Manual Integrations APPROVED
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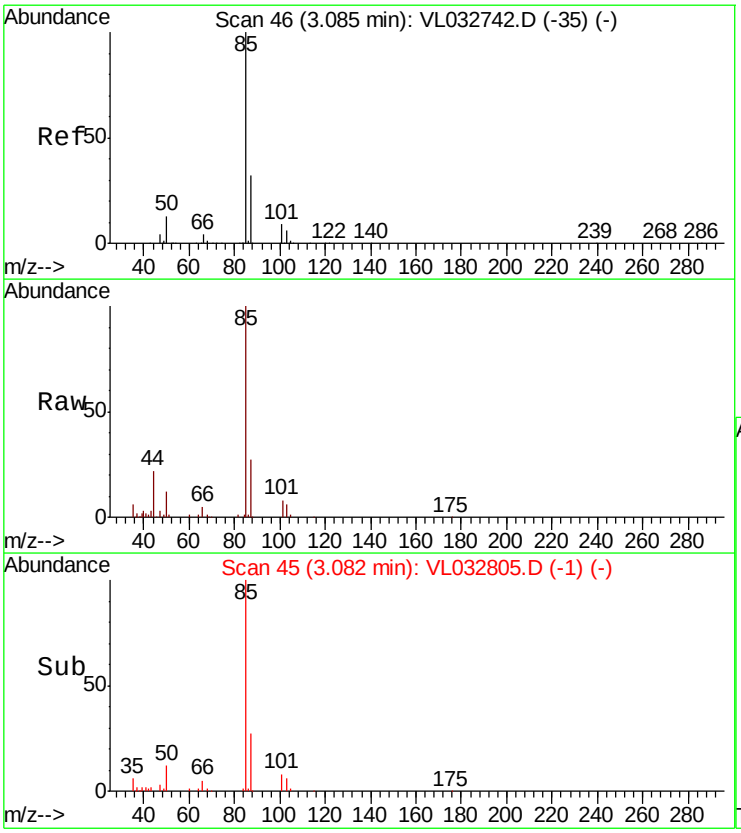
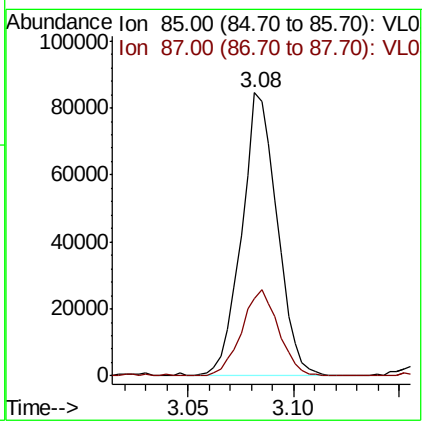
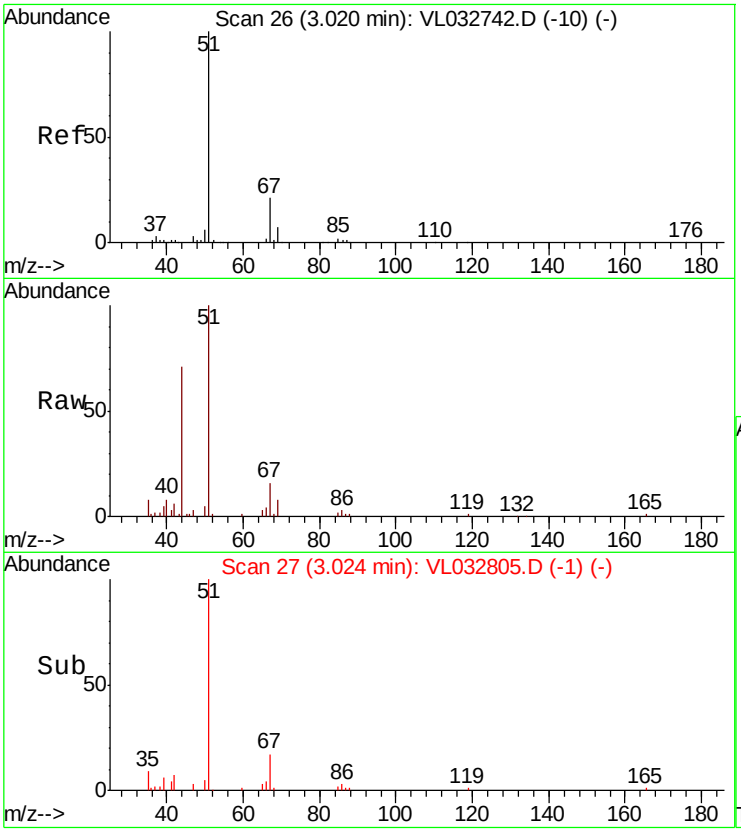


#2
Dichlorodifluoromethane
Concen: 0.497 ppbv
RT: 3.08 min Scan# 45
Delta R.T. -0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 85 Resp: 98928

Ion	Ratio	Lower	Upper
85	100		
87	27.4	26.0	39.0





#3
Chlorodifluoromethane
Concen: 0.316 ppbv m
RT: 3.02 min Scan# 27
Delta R.T. 0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 51 Resp: 34692

Ion	Ratio	Lower	Upper
51	100		
67	25.6	16.1	24.1#

Instrument :
MSVOA_L
ClientSampleId :
EP-104

Manual Integrations APPROVED
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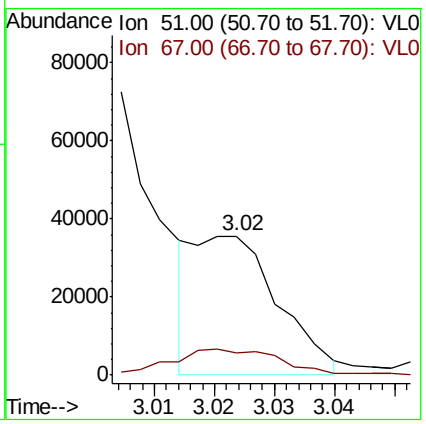
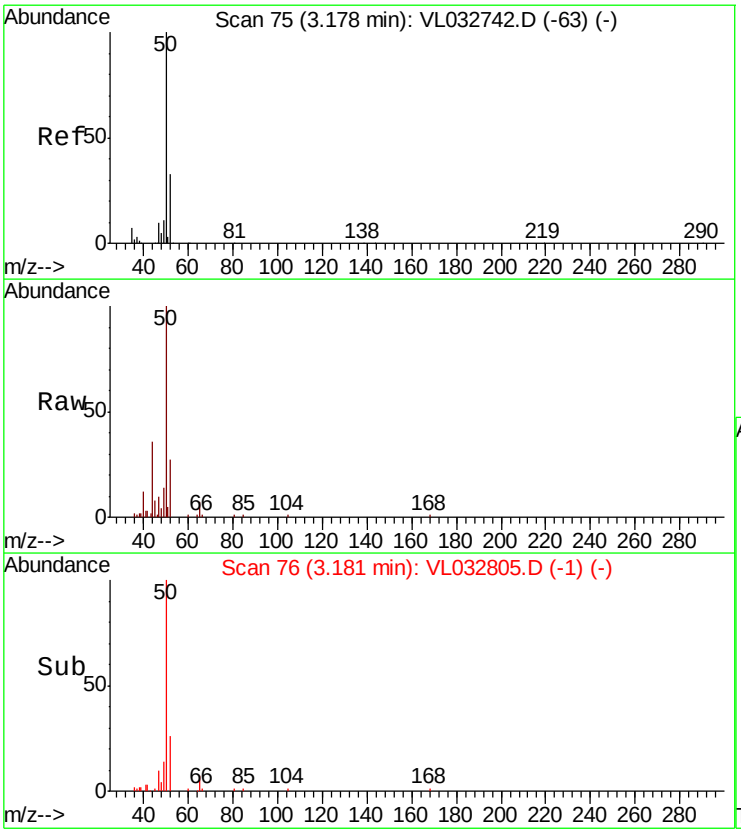
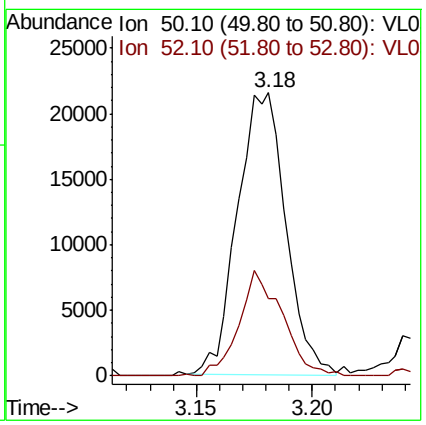


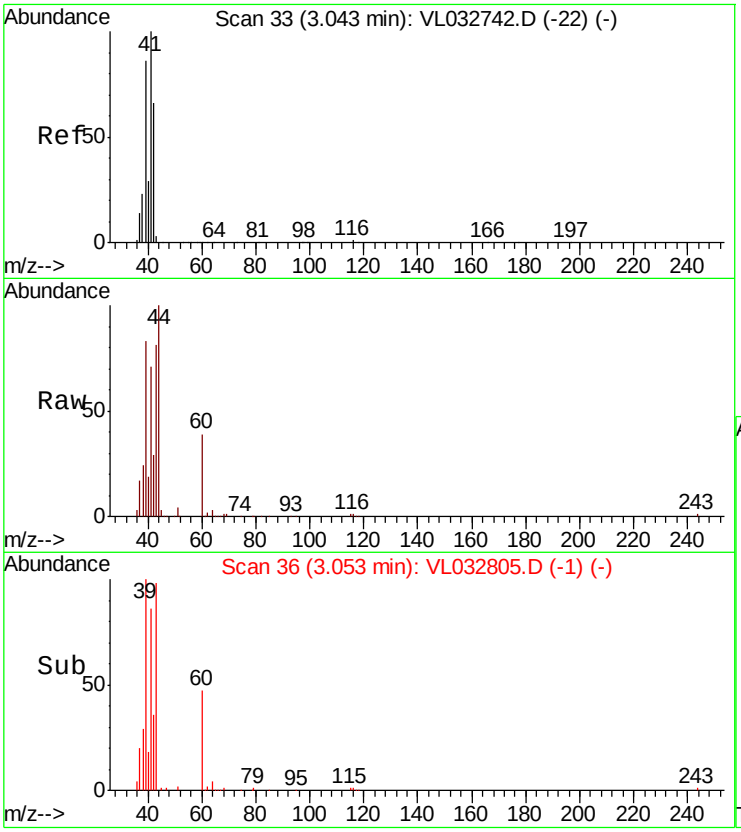


#4
Chloromethane
Concen: 0.510 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 50 Resp: 31061

Ion	Ratio	Lower	Upper
50	100		
52	26.8	26.6	40.0





#9
Propene
Concen: 2.186 ppbv m
RT: 3.05 min Scan# 36
Delta R.T. 0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 41 Resp: 96032

Ion	Ratio	Lower	Upper
41	100		
42	91.8	55.0	82.6#

Instrument :
MSVOA_L
ClientSampleId :
EP-104

Manual Integrations APPROVED
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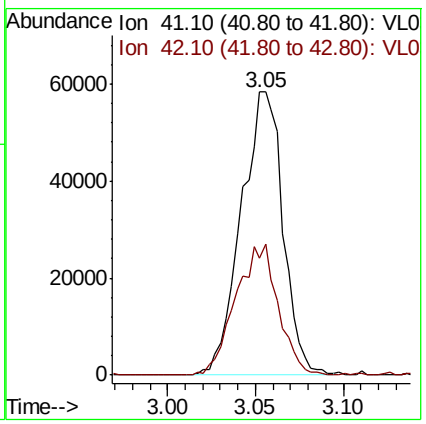
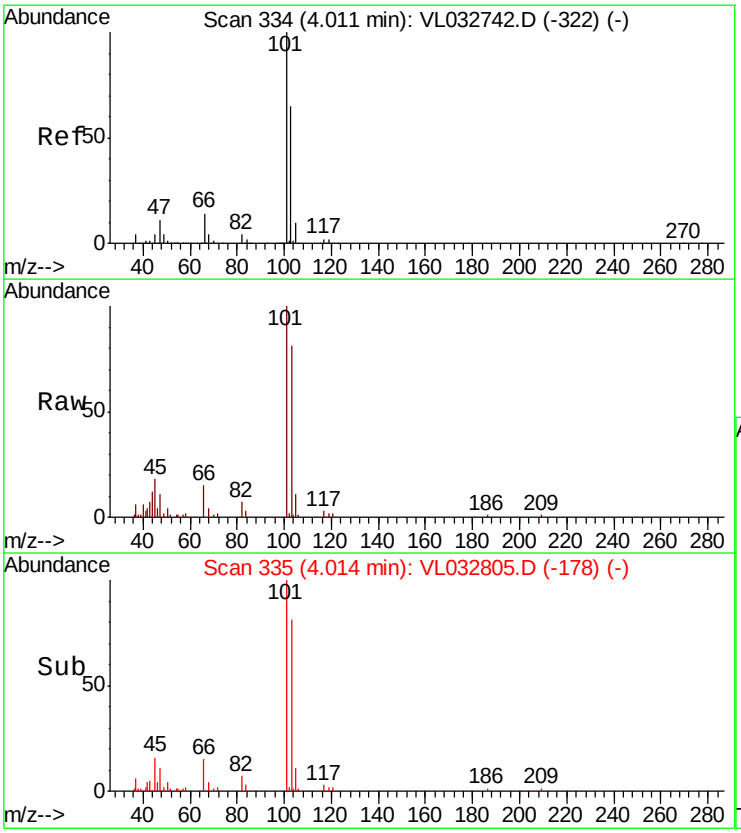
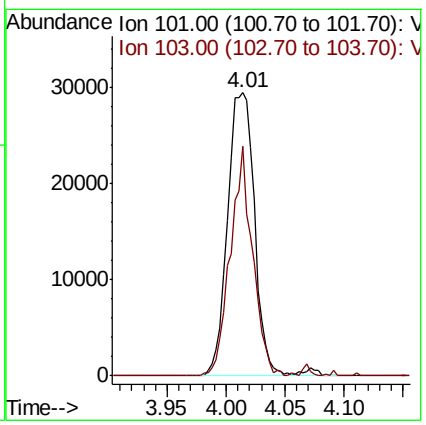


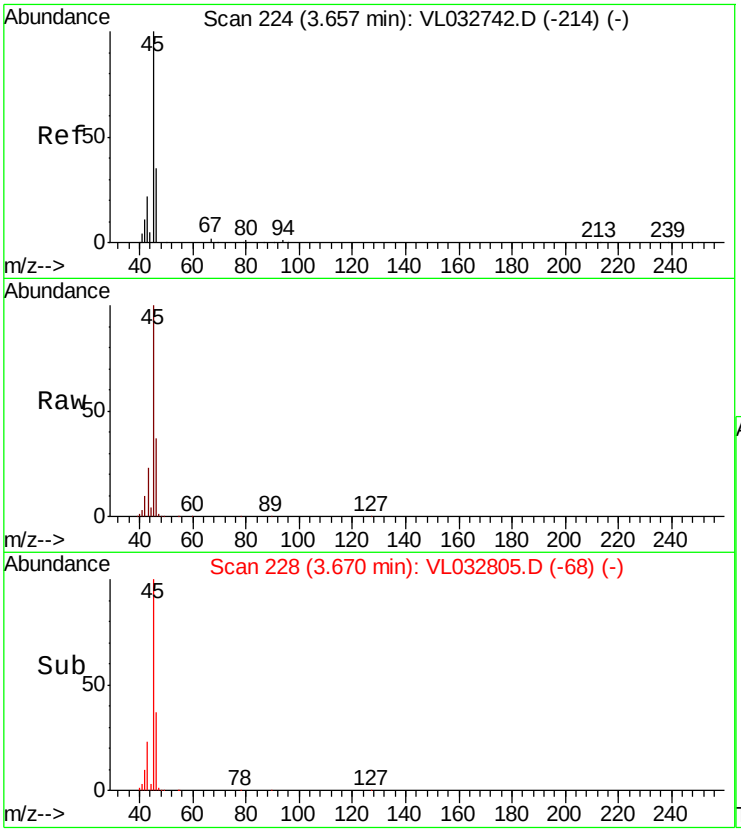


#11
Trichlorofluoromethane
Concen: 0.249 ppbv m
RT: 4.01 min Scan# 335
Delta R.T. 0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion:101 Resp: 46713

Ion	Ratio	Lower	Upper
101	100		
103	80.9	51.6	77.4#

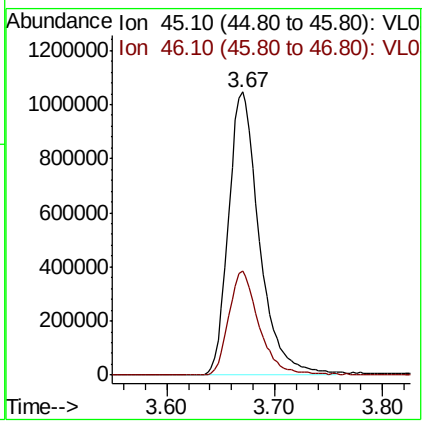




#13
Ethanol
Concen: 145.428 ppbv
RT: 3.67 min Scan# 228
Delta R.T. 0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 45 Resp: 2092686

Ion	Ratio	Lower	Upper
45	100		
46	36.6	14.5	57.9



Instrument :
MSVOA_L
ClientSampleId :
EP-104

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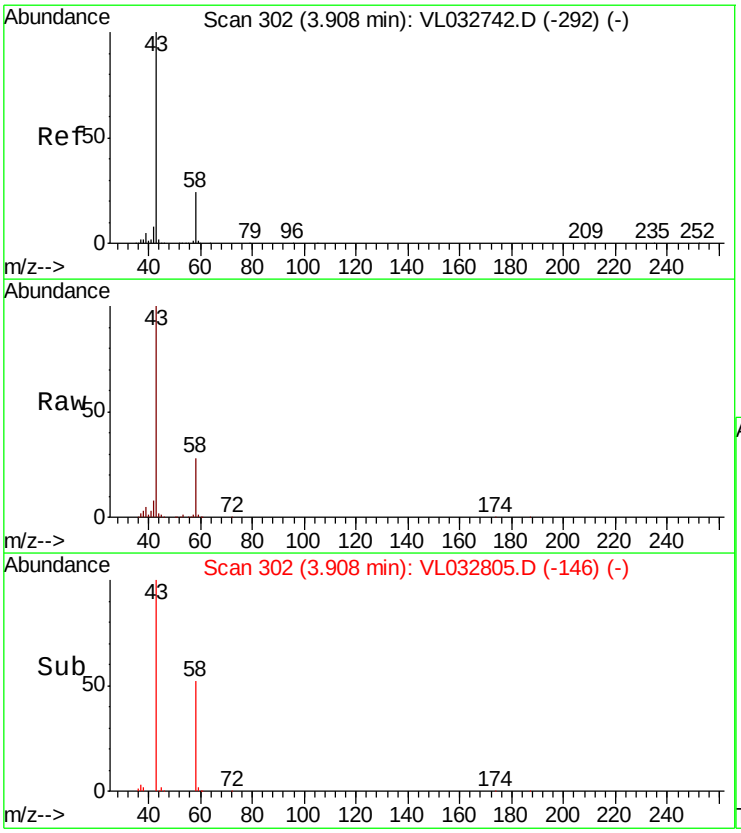
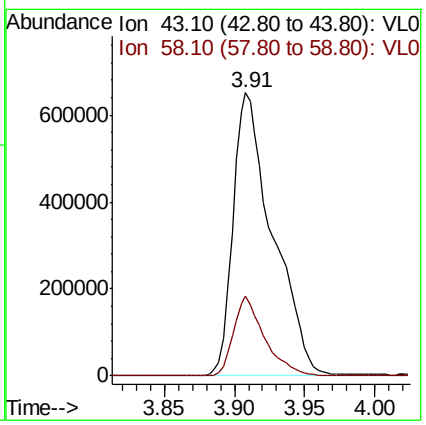
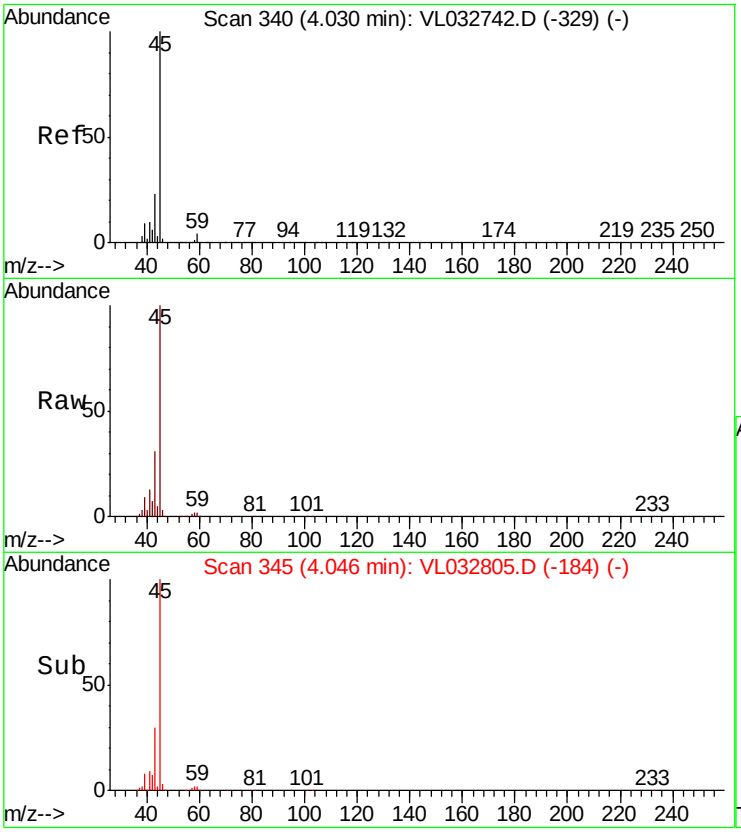


#15
Acetone
Concen: 10.080 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 43 Resp: 1274662

Ion	Ratio	Lower	Upper
43	100		
58	22.2	21.1	31.7





#19
Isopropyl Alcohol
Concen: 2.222 ppbv
RT: 4.05 min Scan# 345
Delta R.T. 0.02 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 45 Resp: 187170

Ion	Ratio	Lower	Upper
45	100		
58	152.2	1.4	2.0#

Instrument :
MSVOA_L
ClientSampleId :
EP-104

Manual Integrations APPROVED
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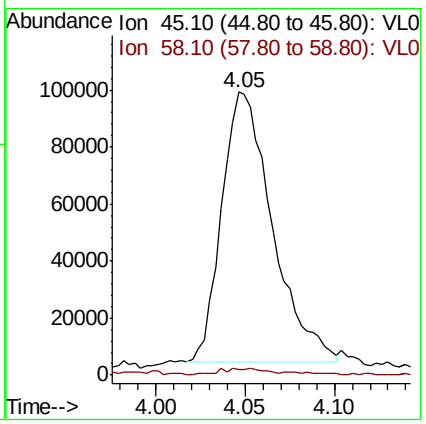
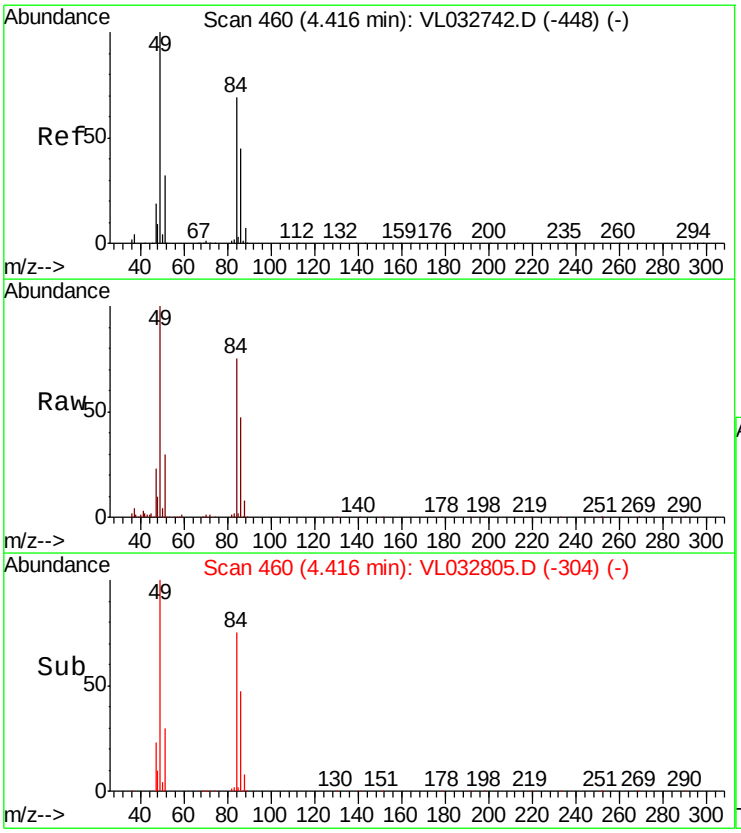
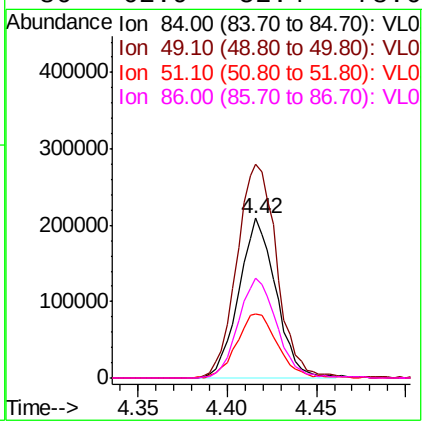


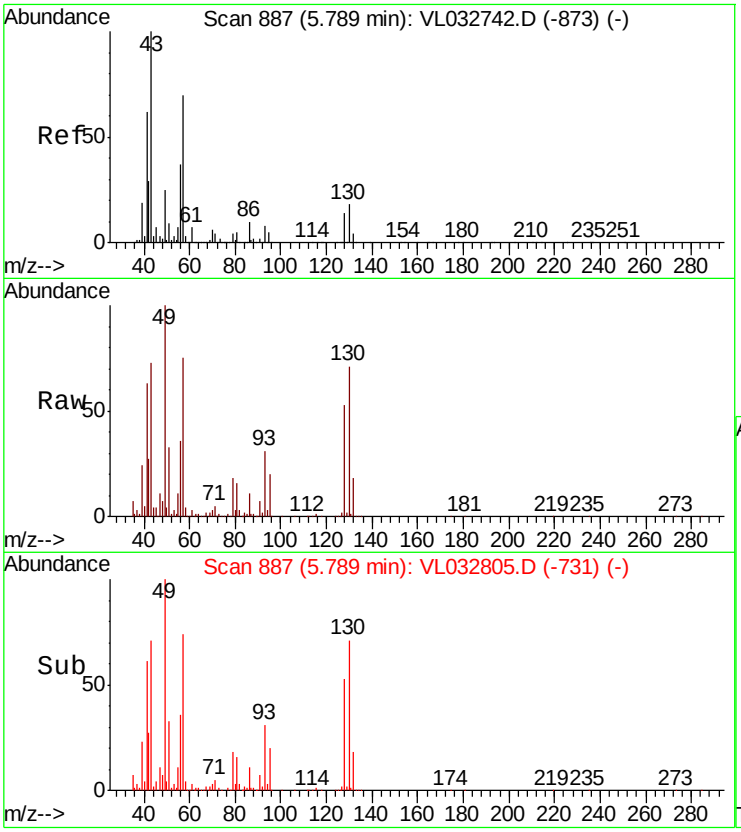


#20
Methylene Chloride
Concen: 4.643 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 84 Resp: 303970

Ion	Ratio	Lower	Upper
84	100		
49	133.4	115.8	173.6
51	39.7	36.9	55.3
86	62.9	52.4	78.6

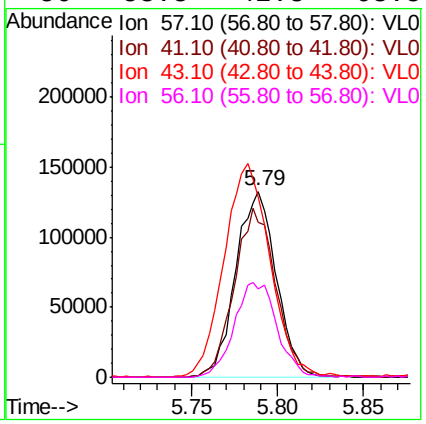




#26
Hexane
Concen: 1.658 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 57 Resp: 217573

Ion	Ratio	Lower	Upper
57	100		
41	93.8	70.3	105.5
43	132.9	174.0	261.0#
56	53.8	42.3	63.5



Instrument :
MSVOA_L
ClientSampleId :
EP-104

Manual Integrations APPROVED
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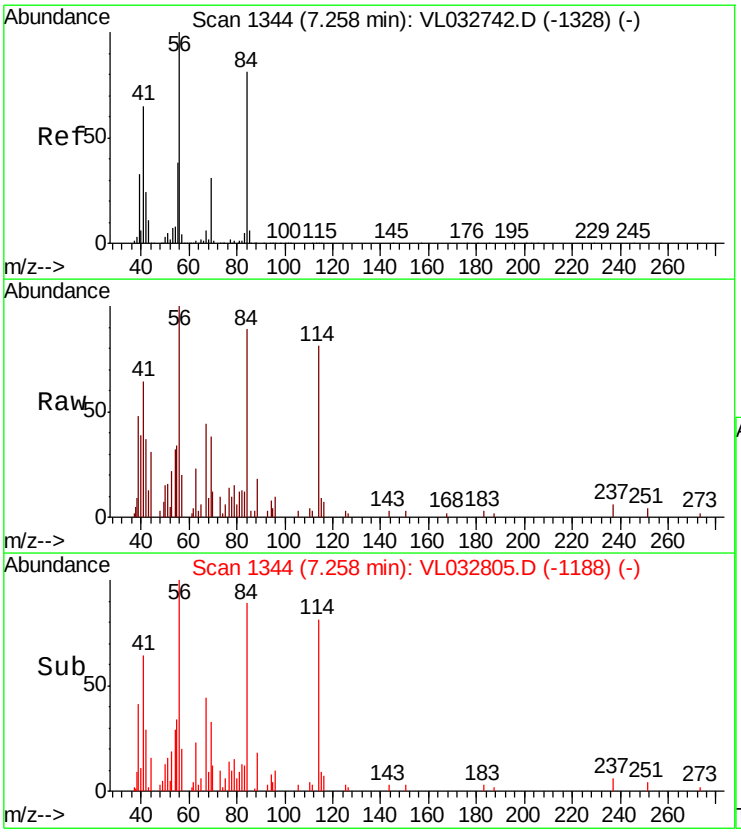
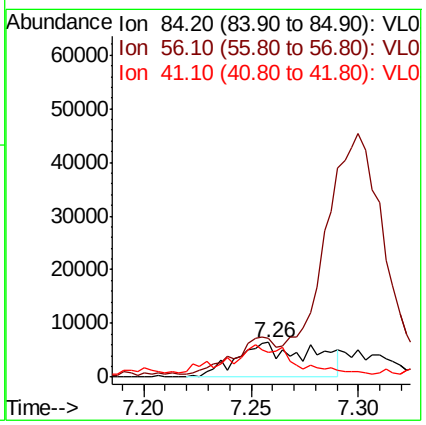
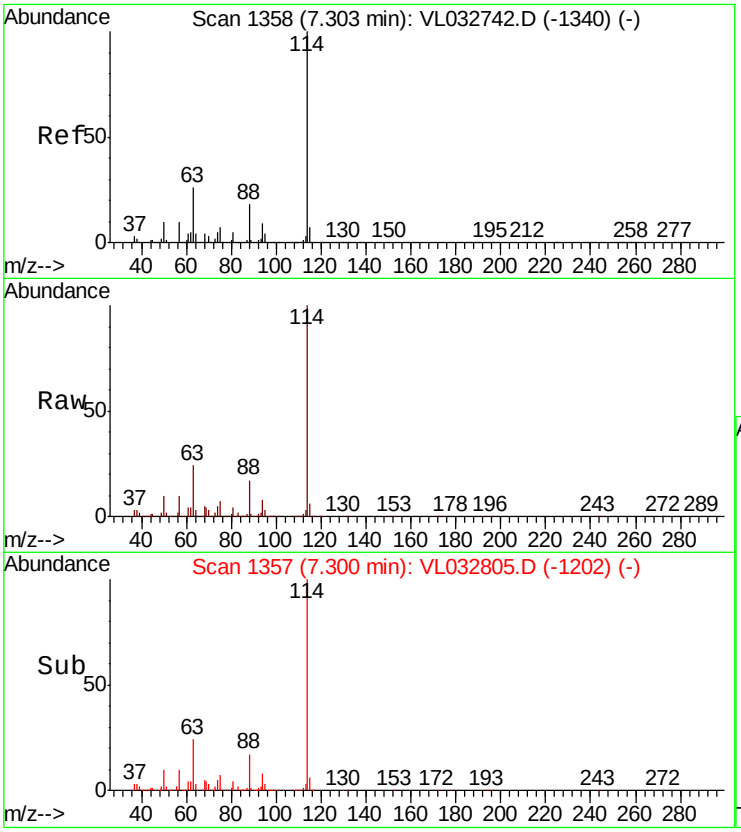


#30
Cyclohexane
Concen: 0.138 ppbv m
RT: 7.26 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 84 Resp: 15833

Ion	Ratio	Lower	Upper
84	100		
56	0.0	105.0	157.4#
41	110.7	65.3	97.9#

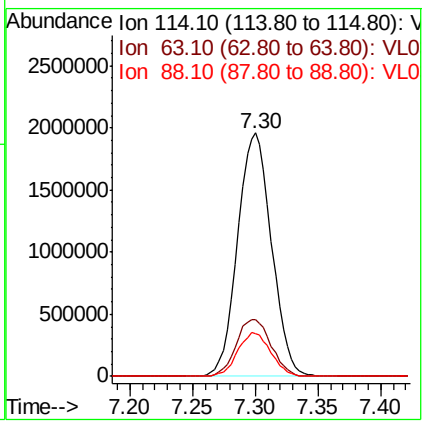




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion:114 Resp: 3680538

Ion	Ratio	Lower	Upper
114	100		
63	24.1	20.9	31.3
88	17.8	14.4	21.6



Instrument :
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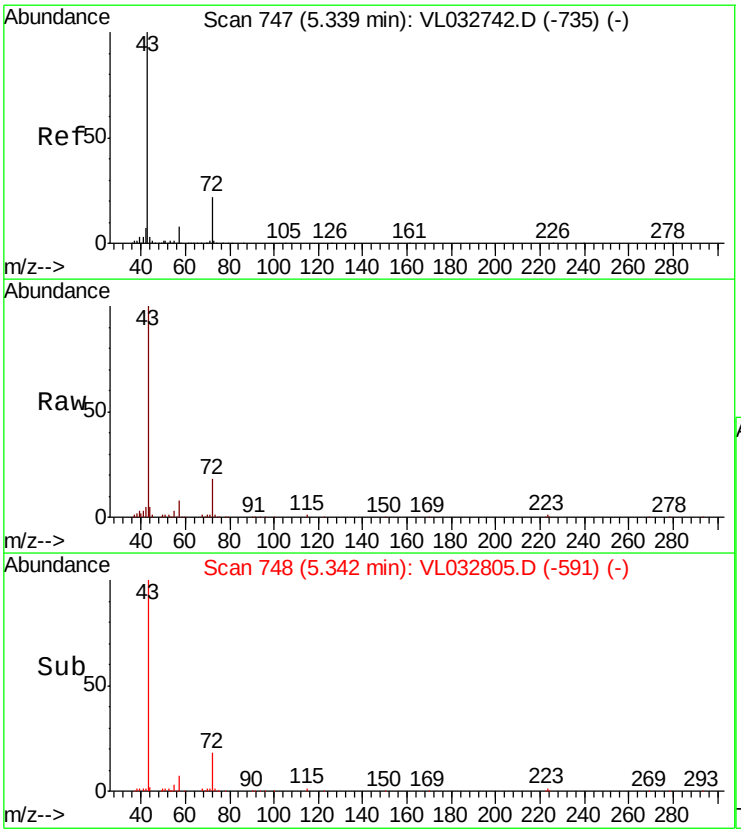
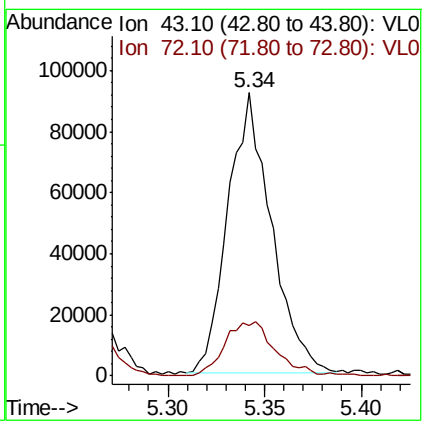
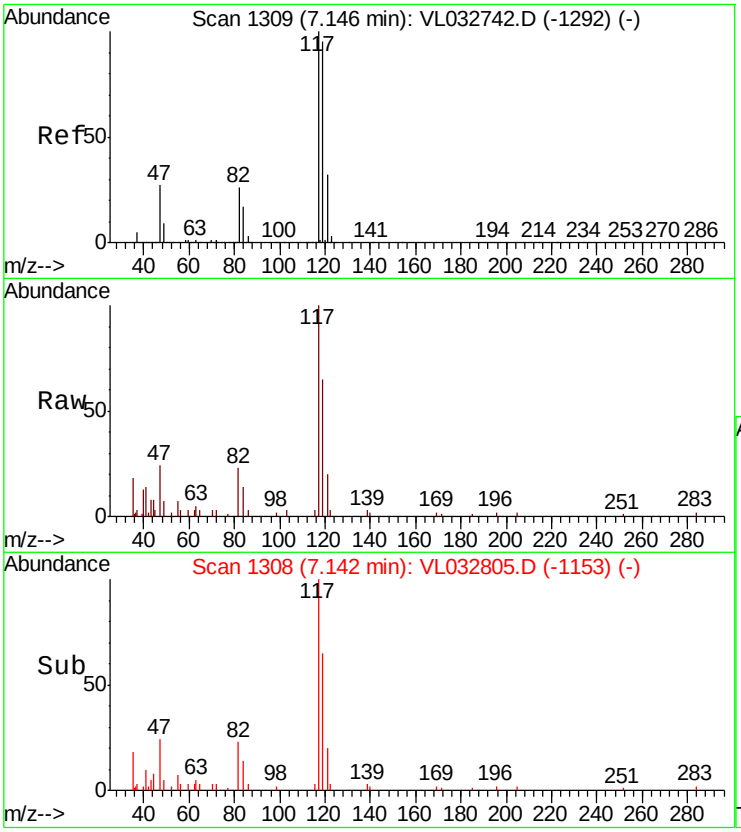


#34
2-Butanone
Concen: 0.749 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 43 Resp: 143003

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6

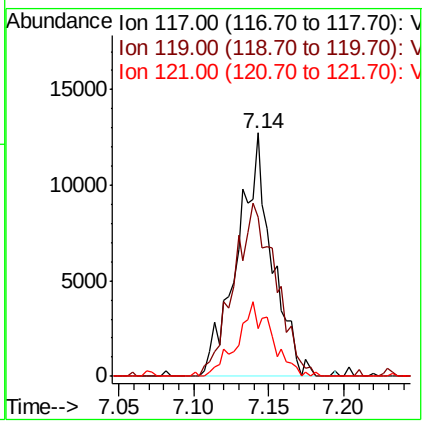




#35
Carbon Tetrachloride
Concen: 0.069 ppbv m
RT: 7.14 min Scan# 1308
Delta R.T. -0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion:117 Resp: 20500

Ion	Ratio	Lower	Upper
117	100		
119	65.4	76.1	114.1#
121	19.7	25.4	38.0#



Instrument :
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ClientSampleId :
EP-104

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MMDadoda
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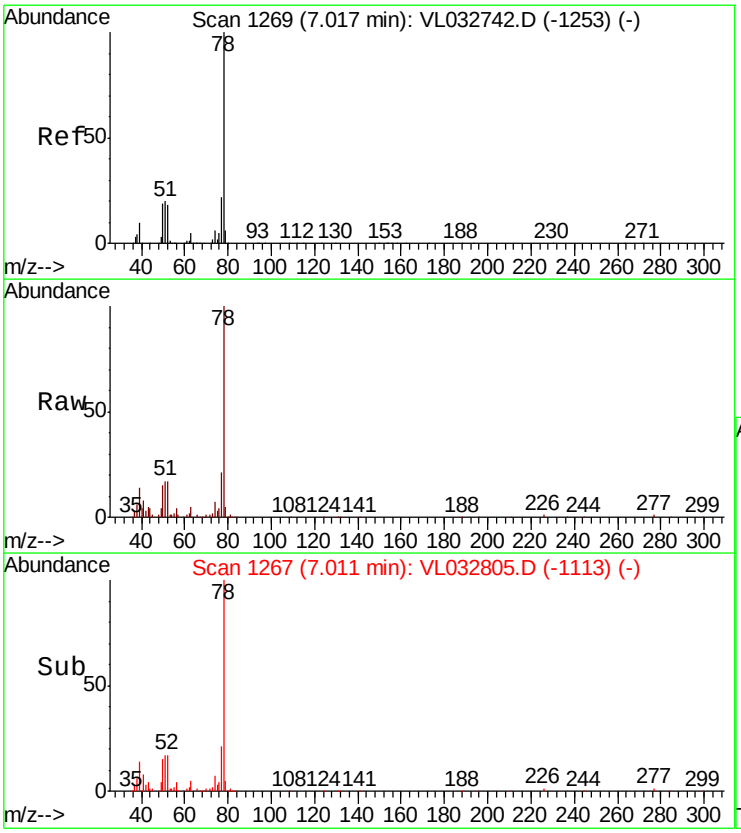
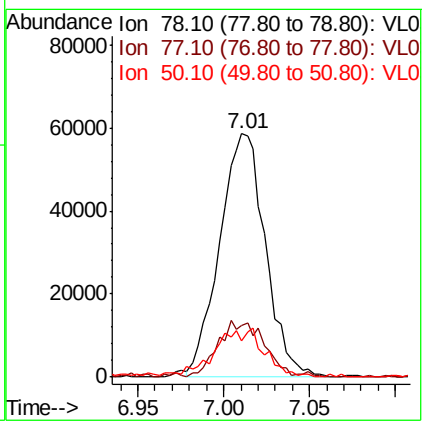
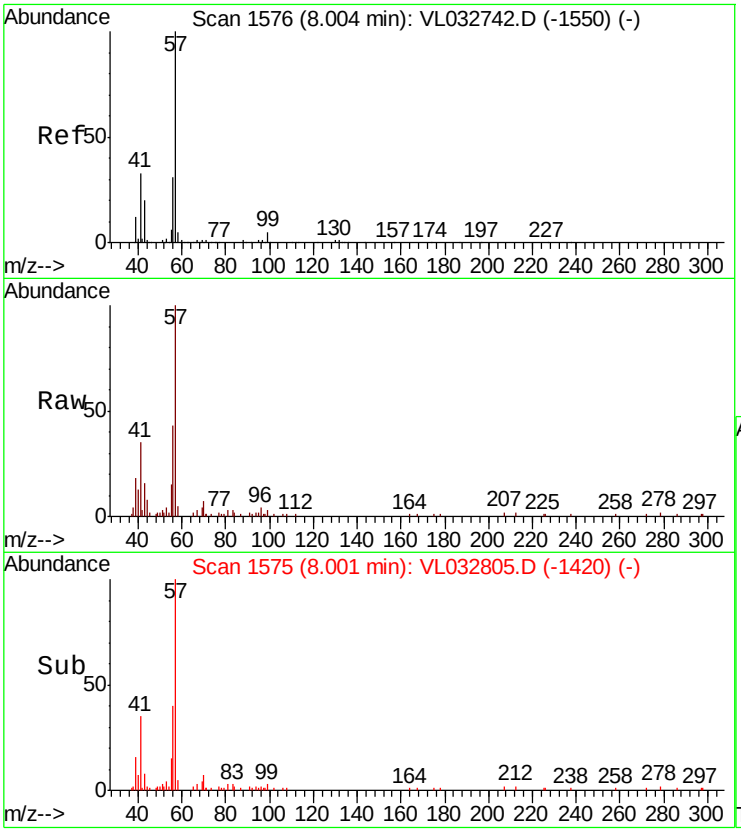


#36
Benzene
Concen: 0.369 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 78 Resp: 108239

Ion	Ratio	Lower	Upper
78	100		
77	21.4	17.8	26.8
50	14.7	15.4	23.0#

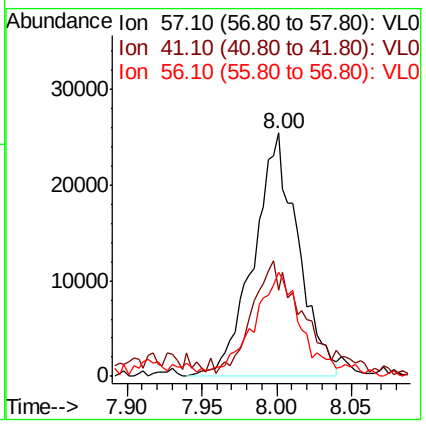




#44
2,2,4-Trimethylpentane
Concen: 0.107 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 57 Resp: 52632

Ion	Ratio	Lower	Upper
57	100		
41	56.1	26.6	39.8#
56	47.7	24.8	37.2#



Instrument :
MSVOA_L
ClientSampleId :
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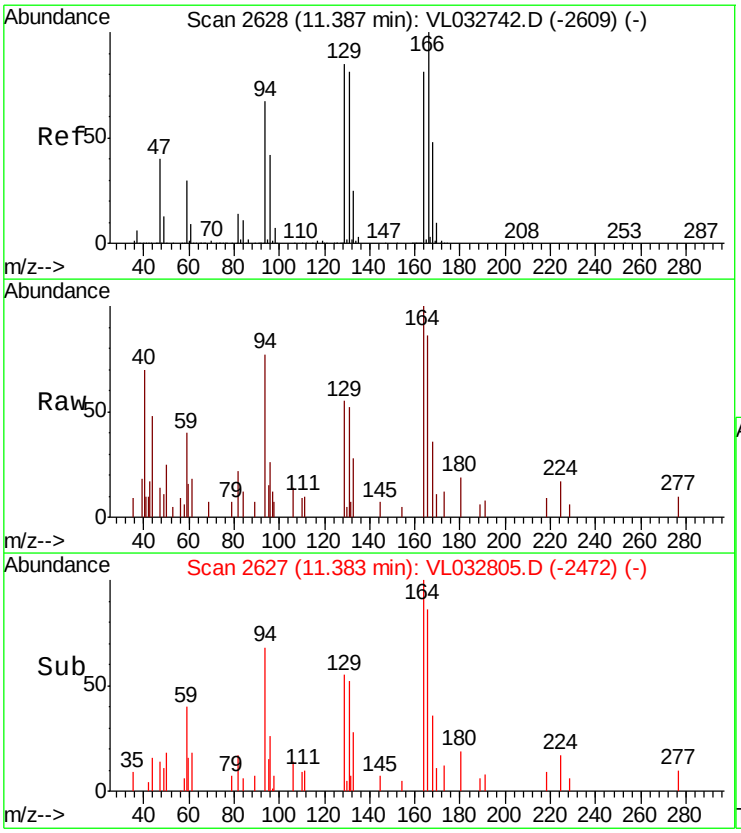
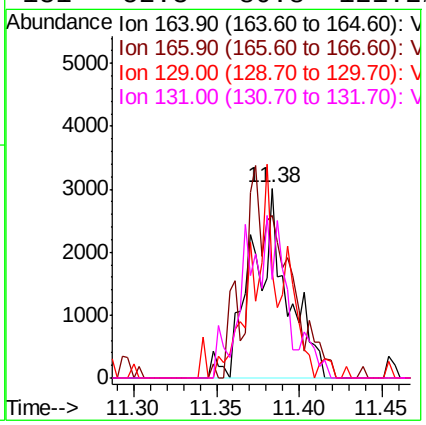
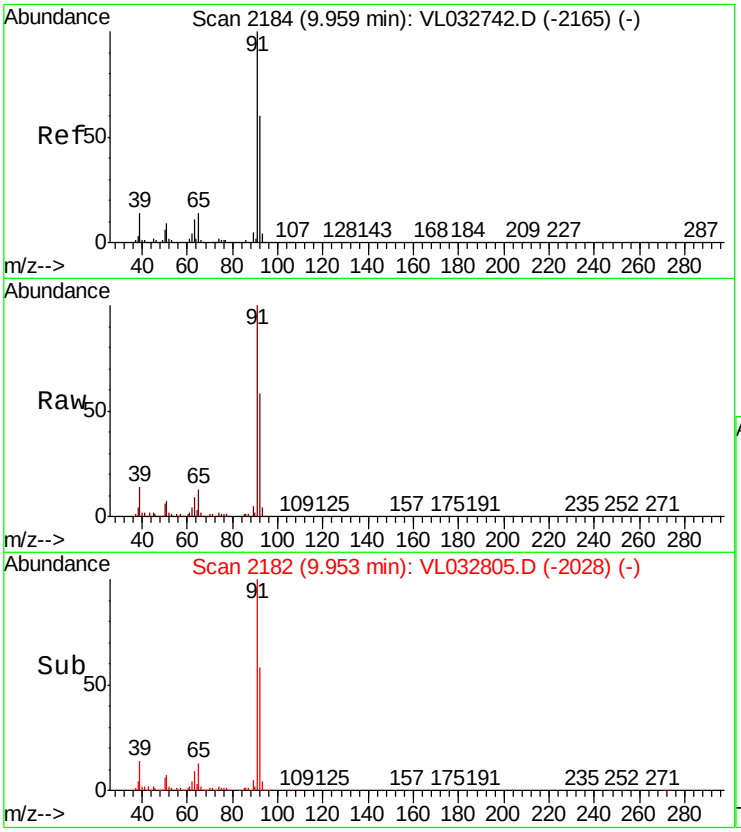


#52
Tetrachloroethene
Concen: 0.045 ppbv m
RT: 11.38 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion:164 Resp: 4553

Ion	Ratio	Lower	Upper
164	100		
166	86.1	99.3	148.9#
129	55.0	83.9	125.9#
131	52.3	80.8	121.2#

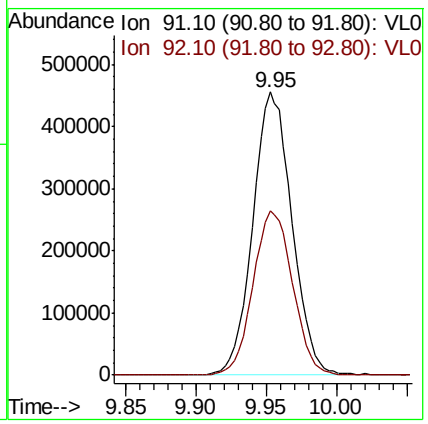




#53
Toluene
Concen: 2.887 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 91 Resp: 882717

Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.9	71.9



Instrument :
MSVOA_L
ClientSampleId :
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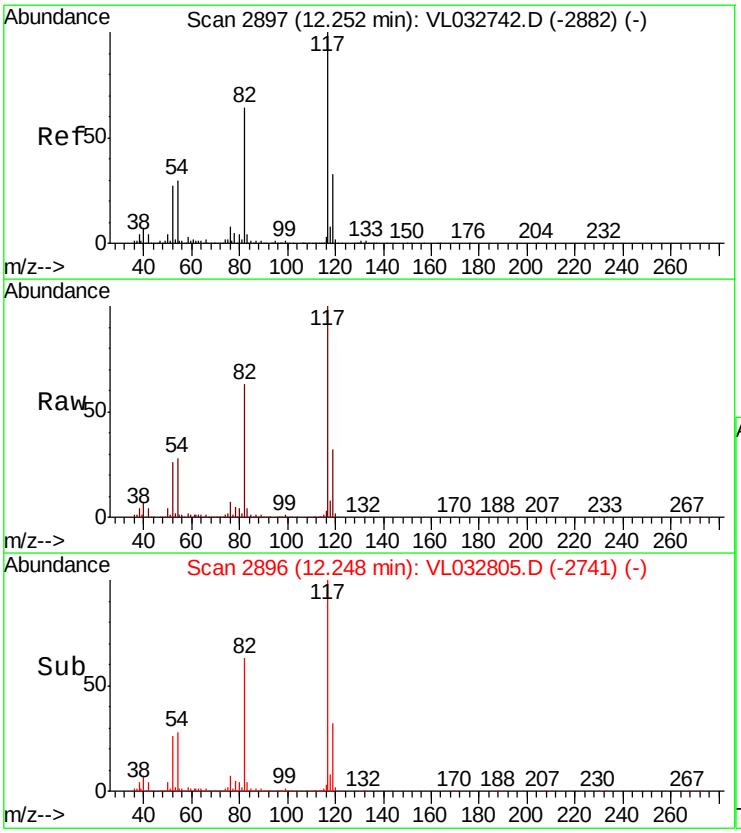
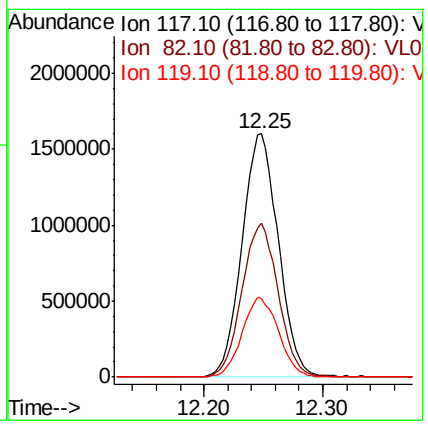
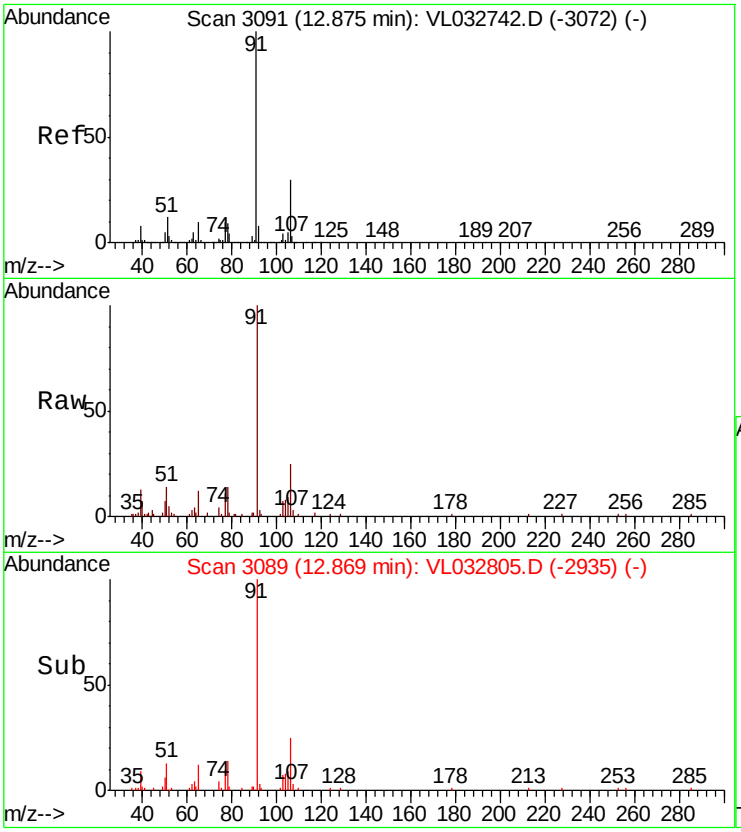


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion:117 Resp: 3388906

Ion	Ratio	Lower	Upper
117	100		
82	63.4	51.0	76.6
119	32.7	28.0	42.0

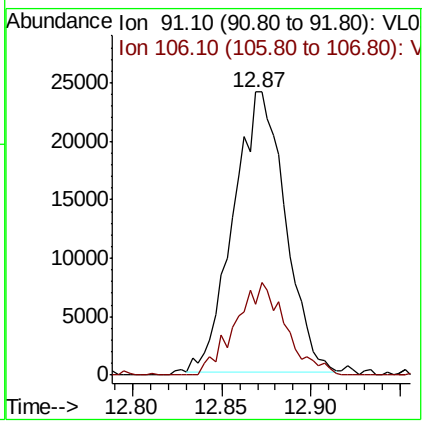




#58
Ethyl Benzene
Concen: 0.119 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 91 Resp: 48704

Ion	Ratio	Lower	Upper
91	100		
106	25.4	23.6	35.4



Instrument :
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ClientSampleId :
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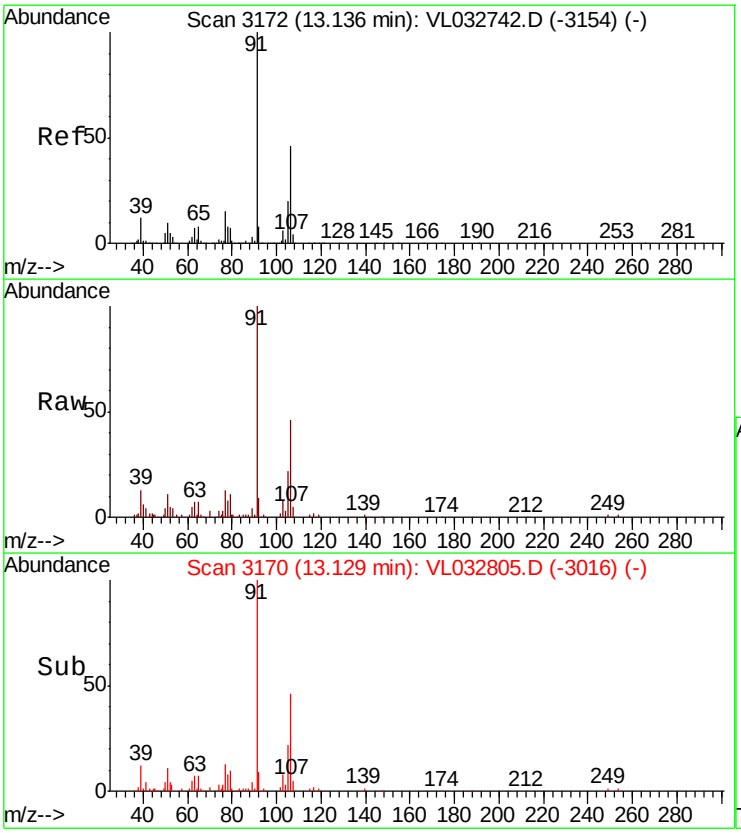
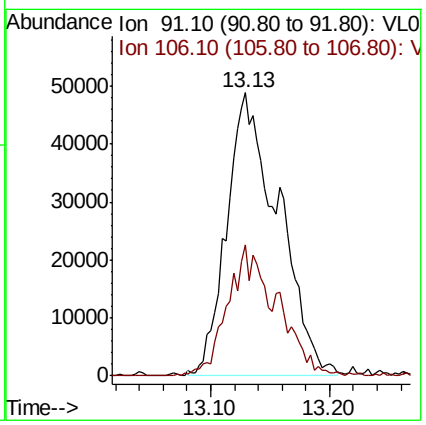
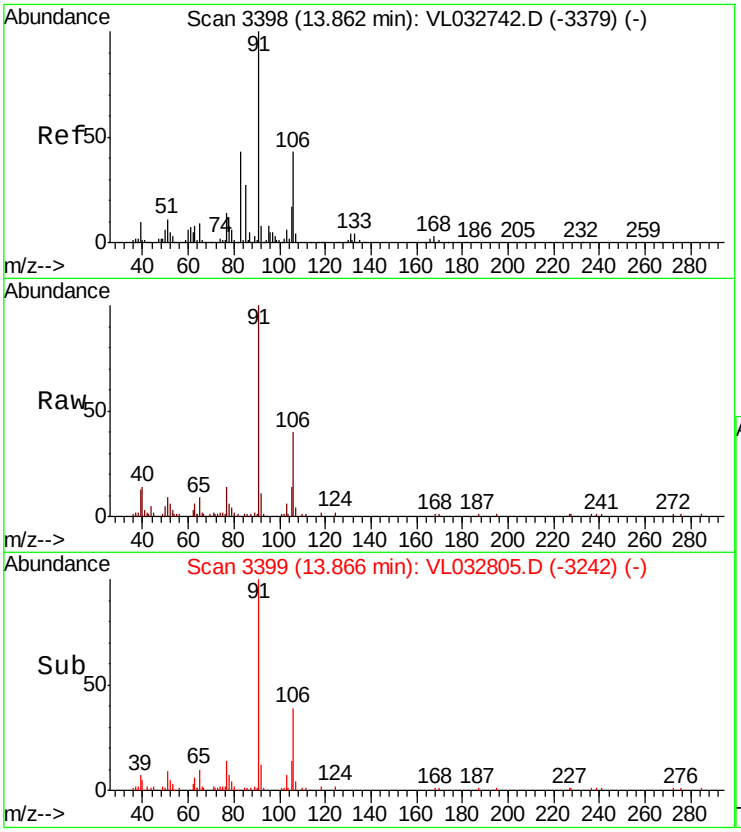


#59
m/p-Xylene
Concen: 0.404 ppbv m
RT: 13.13 min Scan# 3170
Delta R.T. -0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 91 Resp: 146598

Ion	Ratio	Lower	Upper
91	100		
106	43.9	36.1	54.1





#60
o-Xylene
Concen: 0.158 ppbv m
RT: 13.87 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 91 Resp: 57787

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.7#

Instrument :
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ClientSampleId :
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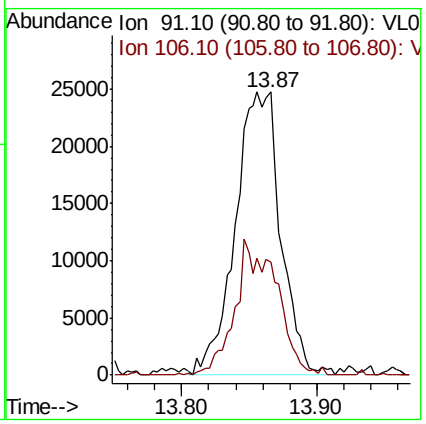
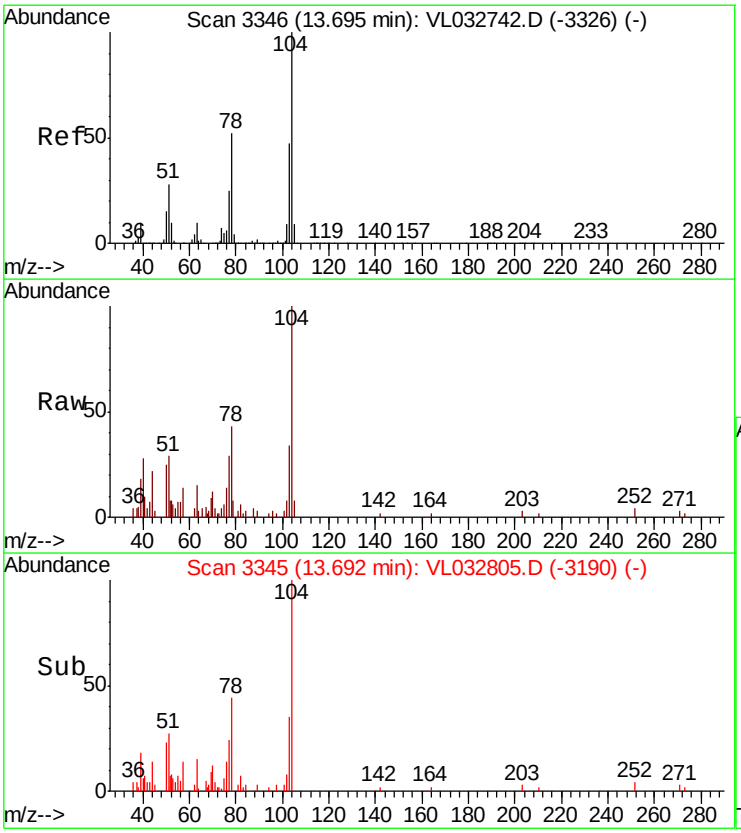
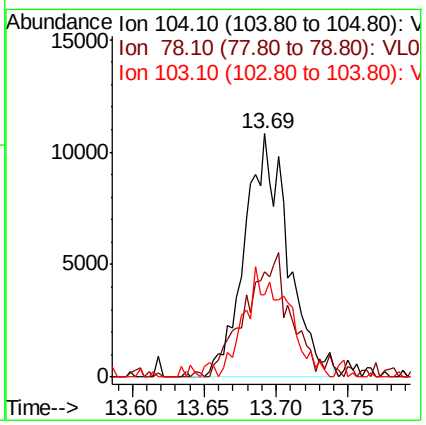


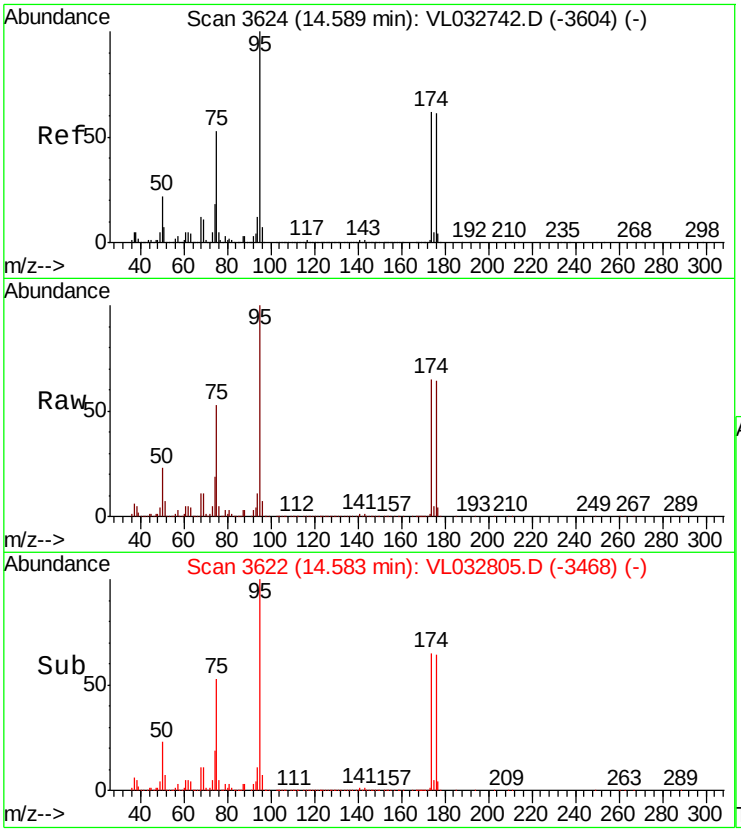


#61
Styrene
Concen: 0.095 ppbv m
RT: 13.69 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion:104 Resp: 22606

Ion	Ratio	Lower	Upper
104	100		
78	0.0	42.2	63.4#
103	0.0	38.2	57.2#

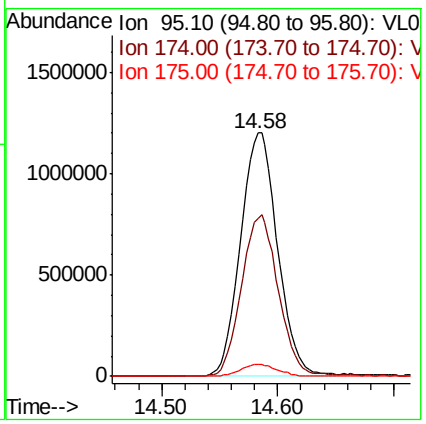




#68
1-Bromo-4-Fluorobenzene
Concen: 10.553 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 95 Resp: 2674986

Ion	Ratio	Lower	Upper
95	100		
174	66.2	50.7	76.1
175	5.0	3.8	5.6



Instrument :
MSVOA_L
ClientSampleId :
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